

Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2017 MAZDA Flair OEM Service and Repair Workshop Manual

[Go to manual page](#)

POWER LIFTGATE (PLG) FRONT SWITCH INSPECTION

SM2899273

id09110080700

Note

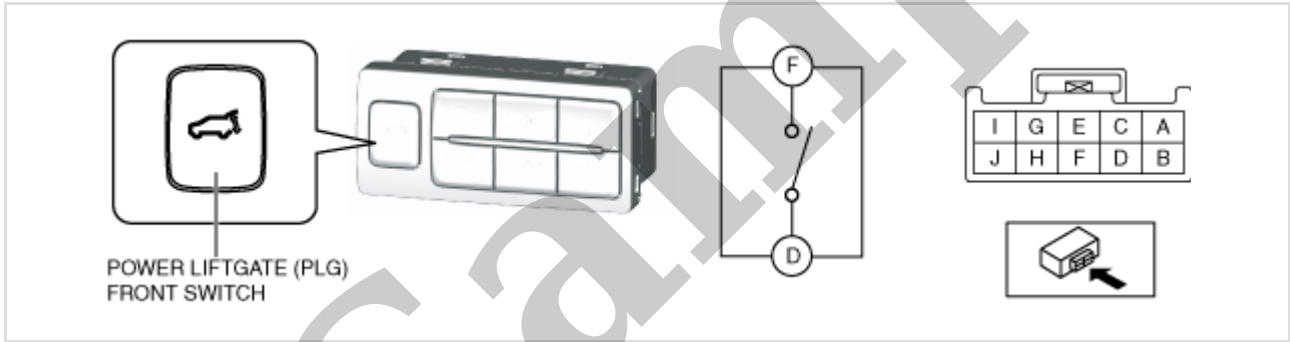
- For the power liftgate (PLG) front switch removal/installation, refer to the cluster switch removal/installation. (See **CLUSTER SWITCH REMOVAL/INSTALLATION.**)

1.Disconnect the negative battery terminal. (See **NEGATIVE BATTERY TERMINAL DISCONNECTION/CONNECTION.**)

2.Remove the following parts:

- (1)Driver-side front scuff plate (See **FRONT SCUFF PLATE REMOVAL/INSTALLATION.**)
- (2)Driver-side front side trim (See **FRONT SIDE TRIM REMOVAL/INSTALLATION.**)
- (3)Cluster switch (See **CLUSTER SWITCH REMOVAL/INSTALLATION.**)

3.Verify that the continuity between the power liftgate (PLG) front switch terminals is as indicated in the table.



Switch position	Terminal	
	F	D
Off		
On	○ — ○	○ — ○

○ — ○ : Continuity

ac5uuw00005547

- If not as indicated in the table, replace the cluster switch. (See **CLUSTER SWITCH REMOVAL/INSTALLATION.**)

POWER LIFTGATE (PLG) DRIVE UNIT REMOVAL/INSTALLATION

SM2899248

id09110000080

Replacement part

Packing

Quantity: 1

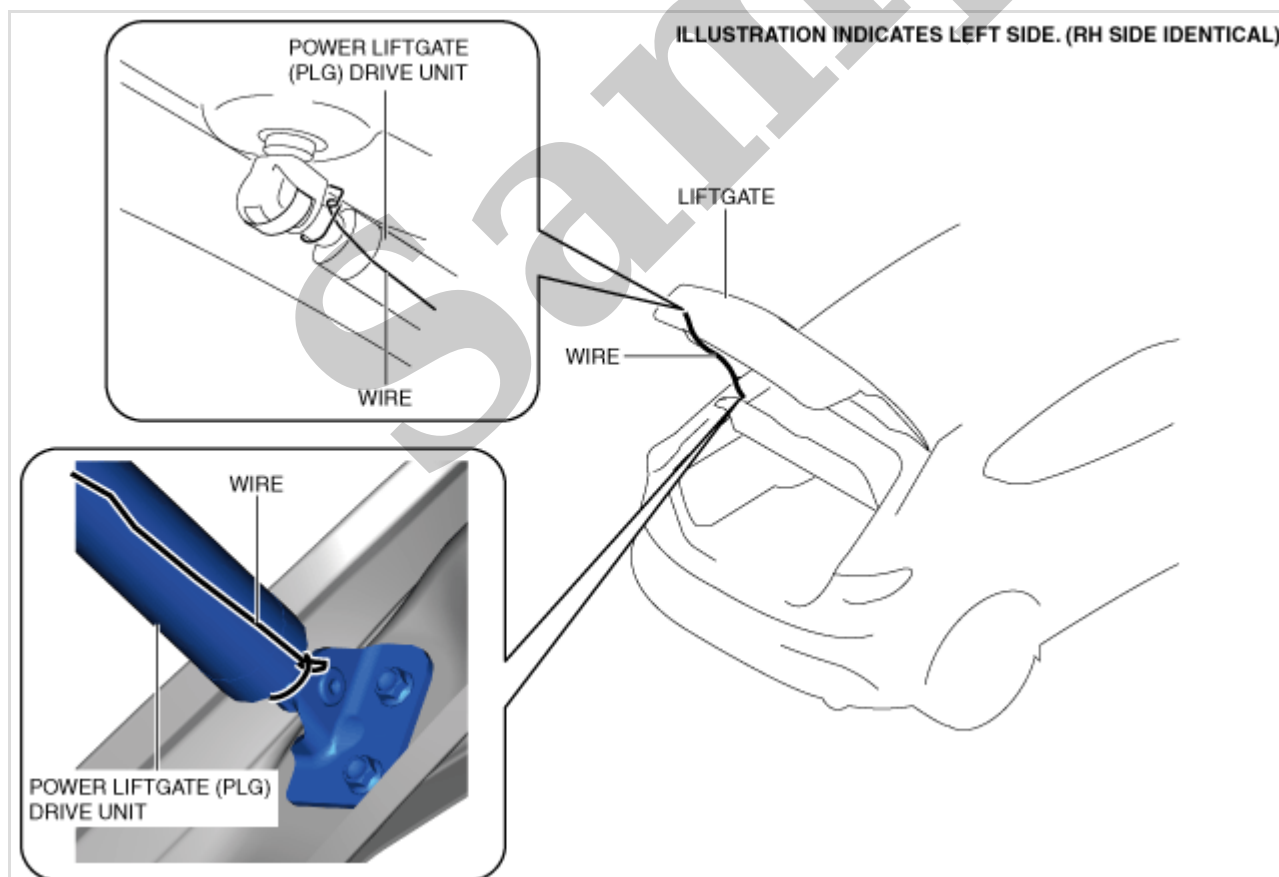
Location of use: Power liftgate (PLG) drive unit

Warning

• If a malfunctioning power liftgate (PLG) drive unit is removed, the spring pressed into it may fly off and cause injury and damage to the vehicle. When removing a power liftgate (PLG) drive unit such as for one of the following malfunctions, perform the power liftgate (PLG) drive unit preparation.

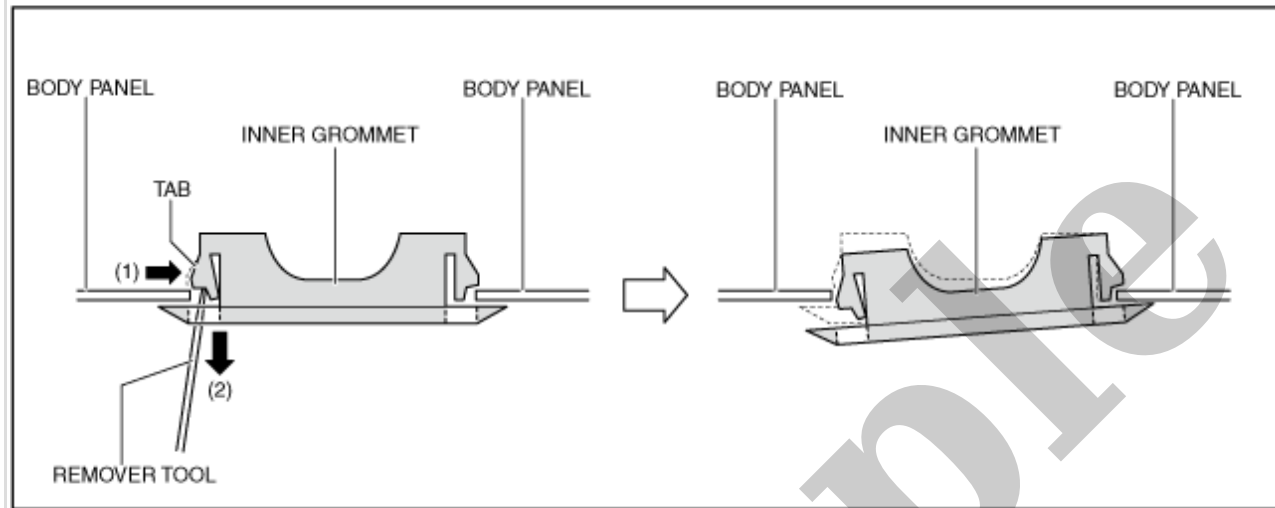
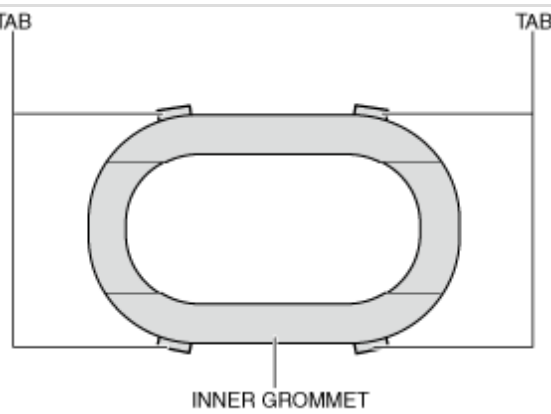
- The power liftgate (PLG) does not stop at the fully opened position and it gradually descends.
- The power liftgate (PLG) drive unit is deformed or damaged for some reason such as the vehicle was in an accident.

1. Secure the power liftgate drive unit with wire wrapped around both ends of the power liftgate drive unit to prevent it from extending. (When replacing a malfunctioning power liftgate drive unit)



ac5uuw00012106

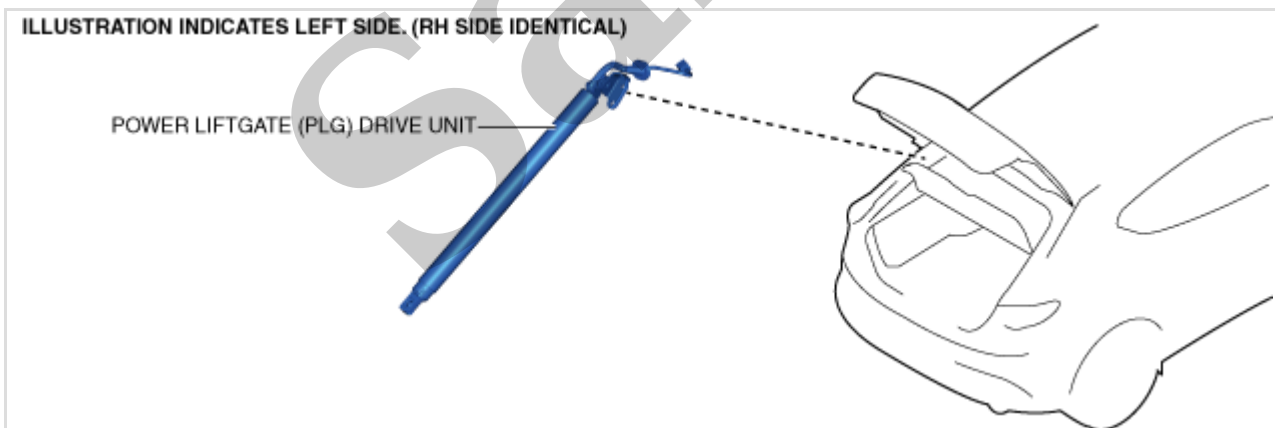
2. Disconnect the negative battery terminal. (See [NEGATIVE BATTERY TERMINAL DISCONNECTION/CONNECTION.](#))



ac5uuw00012036

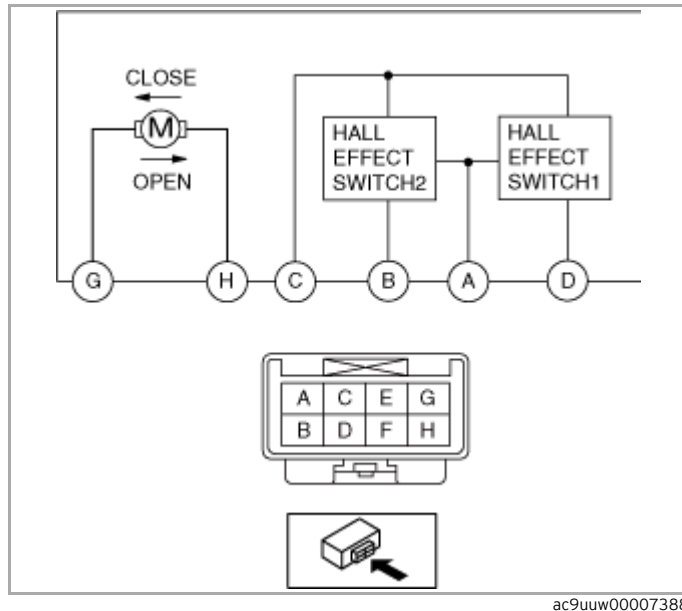
13.Remove the wiring harnesses from the body panel.

14.Remove the power liftgate (PLG) drive unit from the body panel.



ac5uuw00012108

15.Move the remover tool in the direction of the arrow shown in the figure and remove the securing band.



- If the power liftgate (PLG) drive unit does not operate as indicated in the table, replace it. (See [POWER LIFTGATE \(PLG\) DRIVE UNIT REMOVAL/INSTALLATION.](#))

RH

1.Disconnect the negative battery terminal. (See [NEGATIVE BATTERY TERMINAL DISCONNECTION/CONNECTION.](#))

2.Remove the following parts:

- (1)Trunk board (See [TRUNK BOARD REMOVAL/INSTALLATION.](#))
- (2)Bass box (With Bose[®]) (See [BASS-BOX REMOVAL/INSTALLATION.](#))
- (3)Sub-trunk (See [SUB-TRUNK REMOVAL/INSTALLATION.](#))
- (4)Trunk end trim (See [TRUNK END TRIM REMOVAL/INSTALLATION.](#))
- (5)Rear scuff plate (See [REAR SCUFF PLATE REMOVAL/INSTALLATION.](#))
- (6)Trunk side trim (See [TRUNK SIDE TRIM REMOVAL/INSTALLATION.](#))
- (7)C-pillar trim (See [C-PILLAR TRIM REMOVAL/INSTALLATION.](#))
- (8)Assist handle (rear) (See [ASSIST HANDLE REMOVAL/INSTALLATION.](#))
- (9)Power liftgate (PLG) drive unit (See [POWER LIFTGATE \(PLG\) DRIVE UNIT REMOVAL/INSTALLATION.](#))

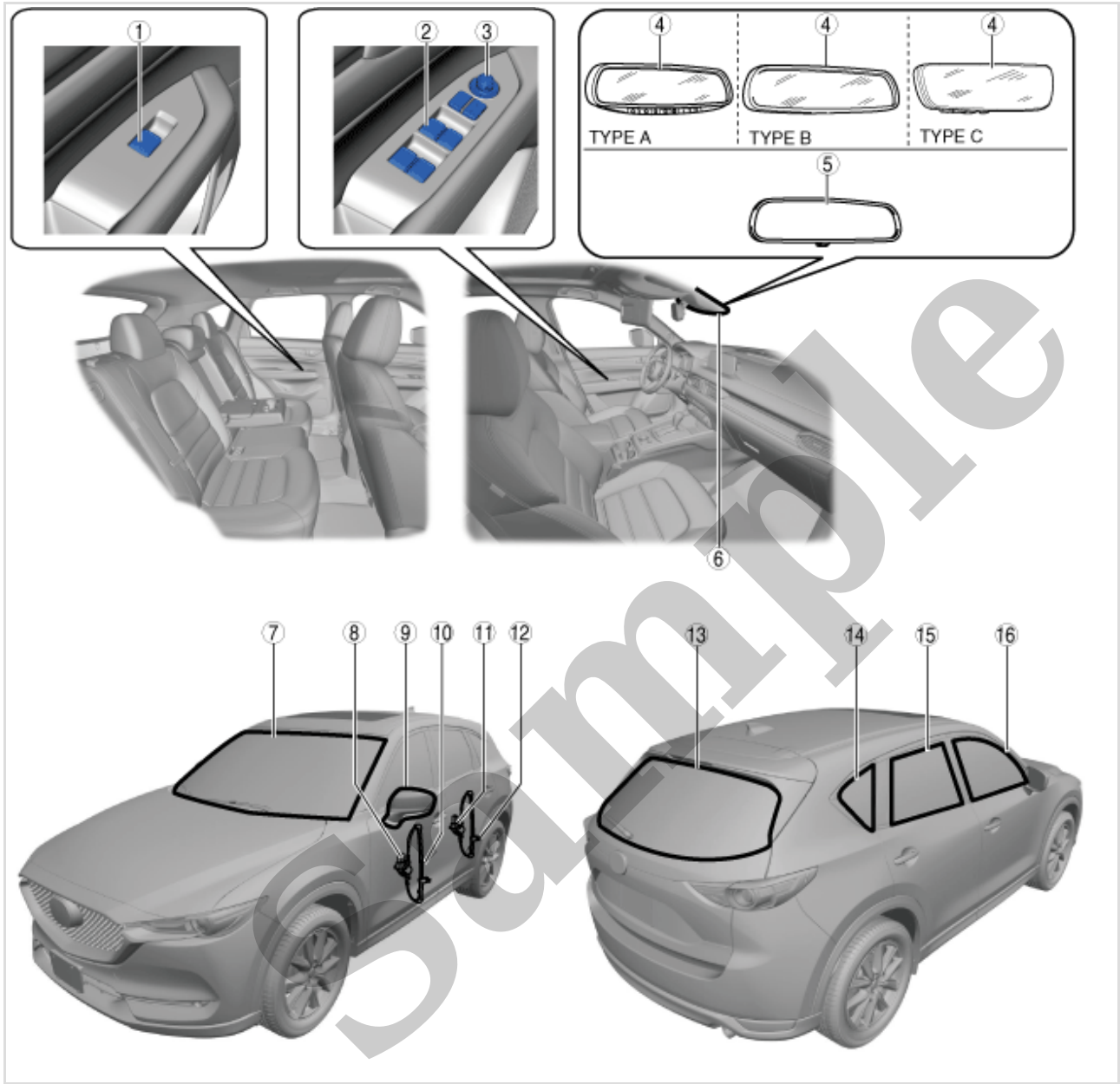
3.Apply battery positive voltage and connect the ground to power liftgate (PLG) drive unit terminals G and H, and then inspect the power liftgate (PLG) drive unit operation.

B+ Terminal	Ground Terminal	Operation
H	G	Liftgate close operation
G	H	Liftgate open operation

GLASS/WINDOWS/MIRRORS LOCATION INDEX

SM2899276

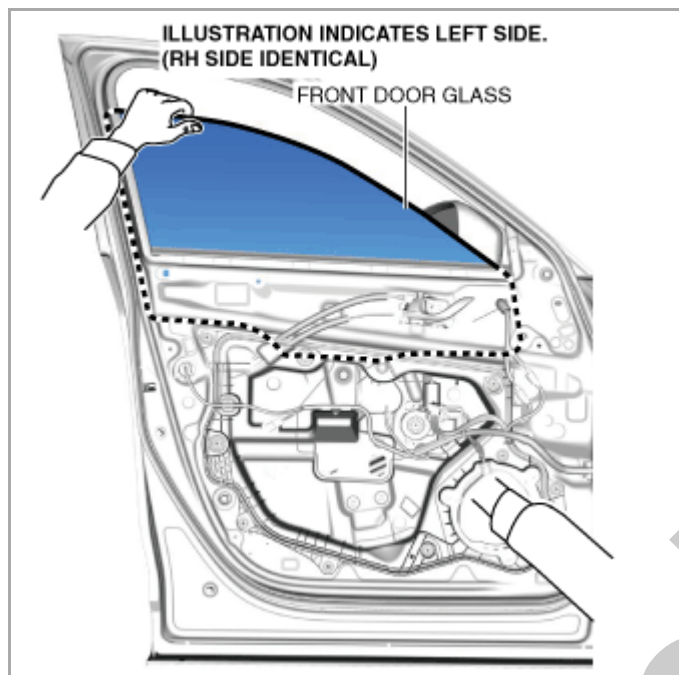
id09120000000



ac5uuw00009995

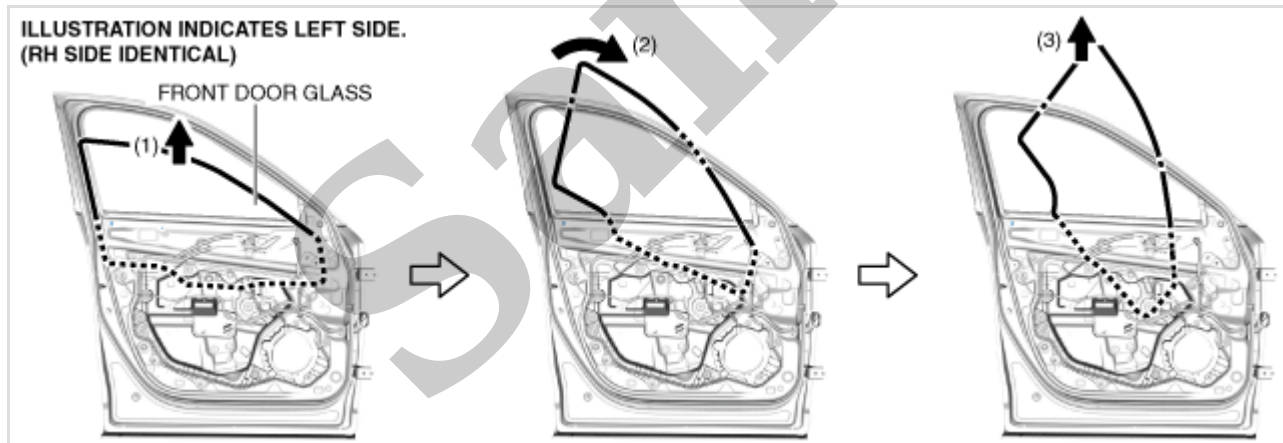
1	Power window subswitch (See POWER WINDOW SUBSWITCH REMOVAL/INSTALLATION.) (See POWER WINDOW SUBSWITCH INSPECTION.)
2	Power window main switch (See POWER WINDOW MAIN SWITCH REMOVAL/INSTALLATION.) (See POWER WINDOW MAIN SWITCH INSPECTION.) (See POWER WINDOW SYSTEM INITIALIZATION PROCEDURE.)
3	Power outer mirror switch (See POWER OUTER MIRROR SWITCH REMOVAL/INSTALLATION.) (See POWER OUTER MIRROR SWITCH INSPECTION.)
4	Auto-dimming rearview mirror (See AUTO-DIMMING REARVIEW MIRROR REMOVAL/INSTALLATION.) (See AUTO-DIMMING REARVIEW MIRROR INSPECTION.)

9. Hold the upper part of the front door glass while supporting the front door glass from the front door speaker installation hole with your hand.



ac5uuw00009397

10. Lift the front door glass in the direction of arrow (1) shown in the figure, shift the hand which is supporting the front door glass from the front door speaker installation hole to the upper part of the front door glass, then while tilting it in the direction of arrow (2) pull it in the direction of arrow (3), and remove it from the front door.

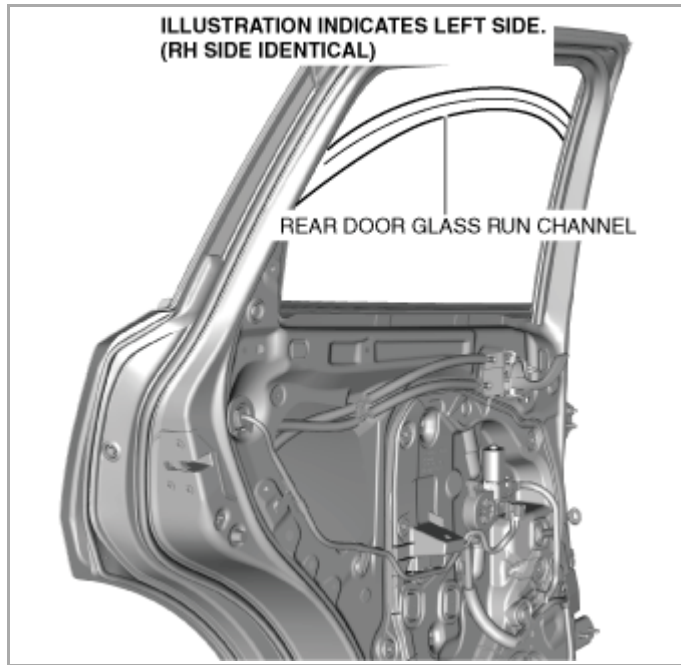


ac5uuw00009996

11. Install in the reverse order of removal.

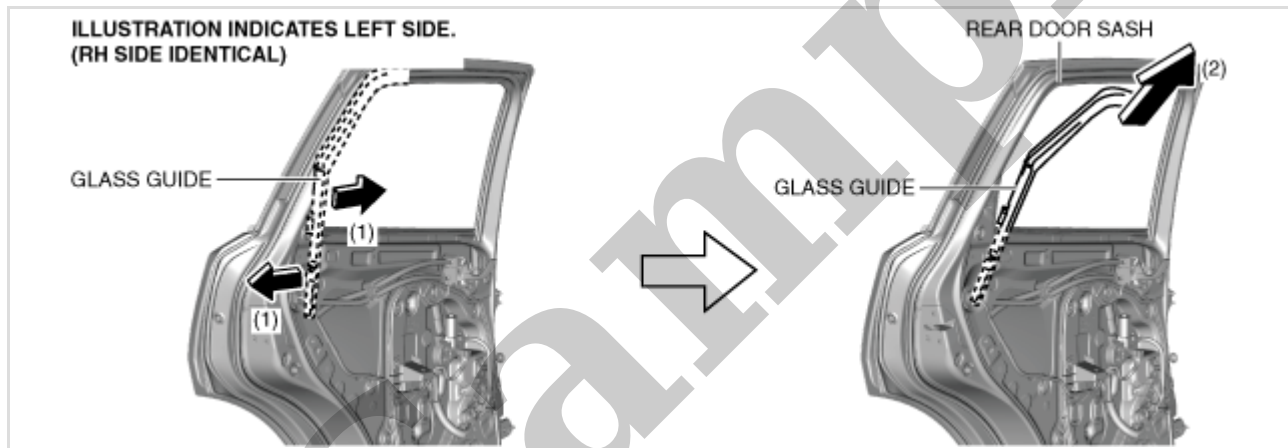
Front Door Glass Preparation

1. Operate the power window main switch or power window subswitch, and adjust the height of the front door glass towards the rear to the position approx. 95 mm {3.7 in} from the upper part of the front beltline molding.



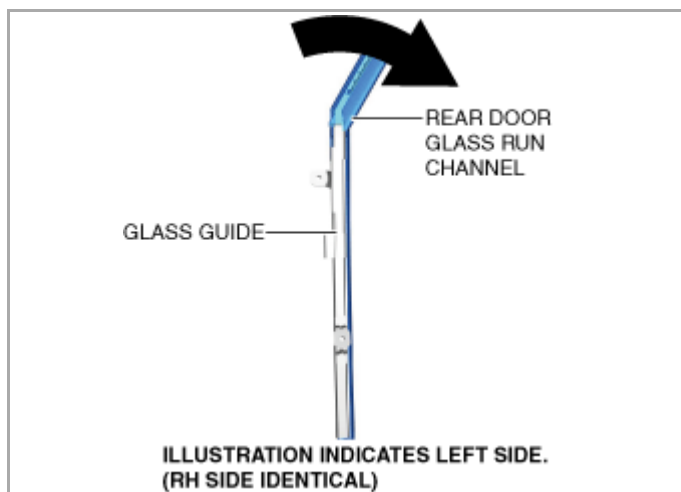
ac5uuw00005992

9. Insert your hand from the service hole cover No.1 opening, tilt the glass guide in the directions of arrows (1) shown in the figure, and pull it out in the direction of arrow (2) while setting the rear door sash aside.



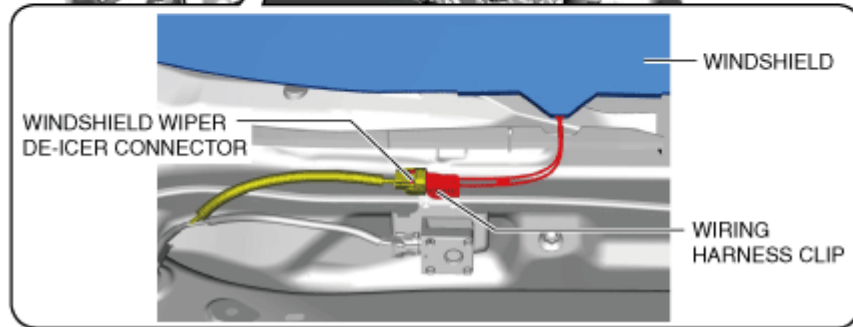
ac5uuw00005993

10. Move the rear door glass run channel in the direction of the arrows shown in the figure, and remove the rear door glass run channel from the glass guide.



ac5uuw00005994

WINDSHIELD



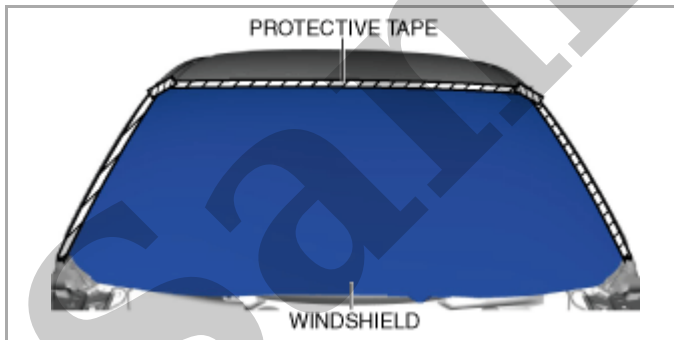
ac5uuw00009998

5.Remove the wiring harness clip. (with windshield wiper de-icer)

6.Apply protective tape along the edge of the body.

Caution

- Overlap and apply the protective tape to the corners to prevent damage to the body.



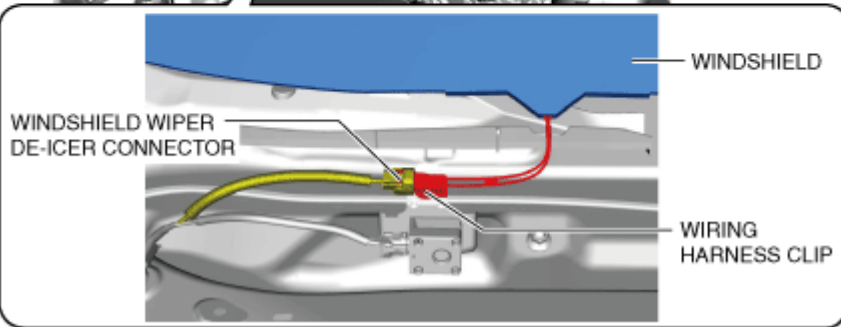
ac5uuw00006000

7.Remove the windshield molding by pulling it outward.

Note

- If the windshield molding is difficult to remove, warm the windshield molding using a hot air blower.

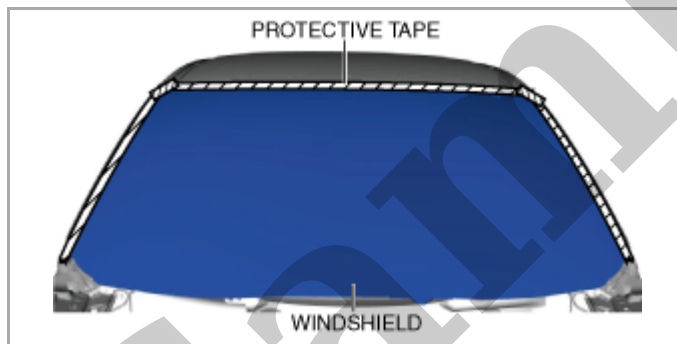
WINDSHIELD



ac5uuw00009998

5.Remove the wiring harness clip. (with windshield wiper de-icer)

6.Apply protective tape along the edge of the body.



ac5uuw00006000

Note

- Overlap and apply the protective tape to the corners to prevent damage to the body.

7.Remove the windshield molding by pulling it outward.

Note

- If the windshield molding is difficult to remove, warm the windshield molding using a hot air blower.